What is claimed is:

1.   A tag grouping system comprising: parameter storage means

for storing a parameter which represents a measure of the

strength of relationship among a plurality of ID tags;

5   parameter adjusting means for increasing and decreasing values

of the parameter according to the number of pieces of ID

information detected simultaneously in the ID tags by a mobile

tag reader; and judging means for judging a plurality of ID

tags as belonging to the same group according to values of

10   the parameter stored in the parameter storage means.

2.   The tag grouping system according to claim 1, wherein

when ID information is detected simultaneously in a pair of

ID tags for the first time, the parameter adjusting means newly

15   sets the parameter for the pair of ID tags to indicate the

measure of relationship between the pair of ID tags.

3.   The tag grouping system according to claim 2, wherein

when ID information is detected in a plurality of ID tags,

20   the parameter adjusting means increases the appropriate values

of the parameter stored in the parameter storage means.

4.   The tag grouping system according to claim 2 or 3, wherein

if ID information is detected only in one of a pair of ID tags

25   which has been registered in the parameter storage means, the

parameter adjusting means decreases the parameter value of

the appropriate ID tag.

5.   The tag grouping system according to claim 2, wherein when a value of the parameter stored in the parameter storage means becomes zero, the parameter adjusting means clears the appropriate parameter setting.

6.   The tag grouping system according to claim 1, wherein when a value of the parameter stored in the parameter storage means exceeds a predetermined threshold, the judging means judges that the ID tags relevant to the parameter value belong to the same group.

7.   A tag grouping method for judging a plurality of ID tags as belonging to the same group according to values of a parameter which represents a measure of the strength of relationship among the plurality of ID tags, comprising a parameter setting step of newly setting the parameter for a pair of ID tags when ID information is detected simultaneously in the pair of ID tags for the first time.